INTERNATIONAL SEARCH REPORT

PCT/IB2004/001367

a. classification of subject matter IPC 7 A45D29/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A45D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No
DE 200 14 372 U (LOOF FRIEDRICH) 21 December 2000 (2000-12-21)	1-4,6,7,
page 1, paragraphs 4,6-8; claim; figures	16 8,9,13, 14,17-20
US 2 147 314 A (PAUL PERCY) 14 February 1939 (1939-02-14)	8,9
page 3, left-hand column, lines 59-66,14-36 page 1, left-hand column, line 1 - right-hand column, line 15; figures 1-5	14,18
US 5 395 166 A (WATSON HARRIETT M) 7 March 1995 (1995-03-07)	13,17,19
abstract; figures 1,2,4	8,9
-/	
	DE 200 14 372 U (LOOF FRIEDRICH) 21 December 2000 (2000-12-21) page 1, paragraphs 4,6-8; claim; figures US 2 147 314 A (PAUL PERCY) 14 February 1939 (1939-02-14) page 3, left-hand column, lines 59-66,14-36 page 1, left-hand column, line 1 - right-hand column, line 15; figures 1-5 US 5 395 166 A (WATSON HARRIETT M) 7 March 1995 (1995-03-07)

X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.
* Spedal categories of cited documents :	
'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is clied to establish the publication date of another cliation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 To later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. & document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the International search report
13 August 2004	31/08/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3018	Schmitt, J

INTERNATIONAL SEARCH REPORT

PCT/IBZ004/001367

		PC1/1BZ004/001367			
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT				
Category °	Cliation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
Y	DE 100 24 604 A (THOMAS WOLFGANG) 29 November 2001 (2001-11-29)		14		
A	column 1, paragraph 2-4 column 2, lines 49-52 		1,4		
Y	DE 101 37 439 A (HIMMELREICH LOTHAR) 6 March 2003 (2003-03-06) abstract; figure 1		18		
Y	DE 199 01 589 C (PROFESSIONAL PRODUCTS M NAUMAN) 8 February 2001 (2001-02-08) column 5, line 27 - line 58; figures 3,5,6		20		
Α	US 5 139 546 A (NOVOBILSKI CARL G) 18 August 1992 (1992-08-18) column 2, line 58 - column 3, line 31; figure 3	,	5 .		
Α	DE 32 38 476 A (AUTENRIETH WILLI) 19 April 1984 (1984-04-19) page 3, paragraph 1-7; figures 1,2		10-12		
Α	US 3 720 851 A (WATERS R ET AL) 13 March 1973 (1973-03-13) column 4, line 57 - column 5, line 21; figures 2-4		14,15		
A	US D 442 742 S (TOHKAI APRECISION INDUSTRIAL LTD.) 22 February 2001 (2001–02–22) the whole document				
			•		

INTERNATIONAL SEARCH REPORT

mation on patent family members

PCT/IB2004/001367

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
DE 20014372	U	21-12-2000	DE	20014372 U1	21-12-2000
US 2147314	Α	14-02-1939	NONE		
US 5395166	Α	07-03-1995	NONE		
DE 10024604	Α	29-11-2001	DE	10024604 A1	29-11-2001
DE 10137439	Α	06-03-2003	DE	10137439 A1	06-03-2003
DE 19901589	С	08-02-2001	DE US	19901589 C1 6518583 B1	08-02-2001 11-02-2003
US 5139546	Α	18-08-1992	NONE		
DE 3238476	A	19-04-1984	DE DE	8714687 U1 3238476 A1	11-02-1988 19-04-1984
US 3720851	A	13-03-1973	AU AU CA GB US	456319 B2 3734471 A 989695 A1 1373452 A 3815614 A	12-12-1974 28-06-1973 25-05-1976 13-11-1974 11-06-1974
US D442742	s	22-05-2001	US	D442742 S1	22-05-2001